

Horticulture

Michigan maintained its third place national ranking in value of wholesale sales of floriculture products in 2009. Only California and Florida reported larger sales. Reports from Michigan's 651 commercial growers (\$10K or more in gross sales) showed an estimated wholesale value of \$397.4 million for all surveyed floriculture crops, up 1 percent from last year's figure. This estimate includes summarized sales data as reported by growers with \$100K or more in sales plus a calculated wholesale value of sales for operations with sales from \$10K to \$99,999.

The leading crop category breakdowns for Michigan operations with more than \$10K in sales were:

- First, **annual bedding/garden plants** with \$180 million in sales.
- Second, **propagative materials** with \$84 million in sales.
- Third, **herbaceous perennial plants** with \$70 million in sales.
- Fourth, **potted flowering plants** with \$31 million in sales.

Michigan leads the nation in value of sales for 10 floriculture crops:

- **Impatiens (flats)** with 1.9 million flats sold, valued at \$14.4 million.
- **Begonia Hanging Baskets** with 357,000 baskets sold, valued at \$2.1 million.
- **Geraniums (flats) (cuttings)** with 66,000 flats sold, valued at \$1.1 million.
- **Geranium Hanging Baskets (cuttings)** with 593,000 baskets sold, valued at \$4.4 million.
- **Impatiens Hanging Baskets** with 517,000 sold, valued at \$2.8 million.

- **New Guinea Impatiens Hanging Baskets** with 462,000 baskets sold, valued at \$3.3 million.
- **Petunias Hanging Baskets** with 818,000 baskets sold, valued at \$4.7 million.
- **Potted Geraniums (seed)** with 16.7 million pots sold, valued at \$13.7 million.
- **Potted Petunias** with 3.0 million pots sold, valued at \$5.2 million.
- **Potted Hostas** with 2.7 million pots sold, valued at \$7.3 million.

Other notable Michigan crops that ranked second in value of sales nationally were:

- **Begonias (flats)** with 897,000 flats sold, valued at \$6.8 million.
- **Marigolds (flats)** with 821,000 flats sold, valued at \$6.2 million.
- **Petunias (flats)** with 1.5 million flats sold, valued at \$12.1 million.
- **Pansy/Viola Hanging Baskets** with 371,000 baskets sold, valued at \$1.8 million.
- **Other Flowering and Foliar Hanging Baskets** with 1.7 million baskets sold, valued at \$13.0 million.
- **Potted Geraniums (cuttings)** with 3.4 million pots sold, valued at \$8.6 million.
- **Potted Hardy/Garden Chrysanthemums** with 4.9 million pots sold, valued at \$12.3 million.
- **Potted Other Herbaceous Perennials** with 17.9 million pots sold, valued at \$50.5 million.
- **Potted Easter Lilies** with 1.5 million pots sold, valued at \$5.8 million.

Floriculture crops: Number of growers by gross value of sales, 2005-2009

Year	\$10,000-\$19,999	\$20,000-\$39,000	\$40,000-\$49,000	\$50,000-\$99,999	\$100,000-\$499,999	\$500,000 or more	Total growers
	Number	Number	Number	Number	Number	Number	Number
2005	46	94	41	173	203	140	697
2006	60	83	42	154	193	139	671
2007	39	77	43	155	176	138	628
2008	84	111	46	160	181	138	720
2009	82	88	41	105	205	130	651

Floriculture crops: Growing area by type of cover, 2005-2009

Year	Glass greenhouses	Fiberglass and other rigid greenhouses	Plastic film greenhouses	Total greenhouse cover	Shade and temporary cover	Total covered area	Open ground
	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	Acres
2005	4,327	4,614	36,937	45,878	1,183	47,061	4,958
2006	4,149	5,684	37,364	47,197	1,170	48,367	3,484
2007	3,751	4,495	38,746	46,992	1,091	48,038	4,058
2008	3,922	4,953	38,064	46,939	1,054	47,993	4,004
2009	3,740	4,809	40,456	49,005	1,141	50,146	5,296

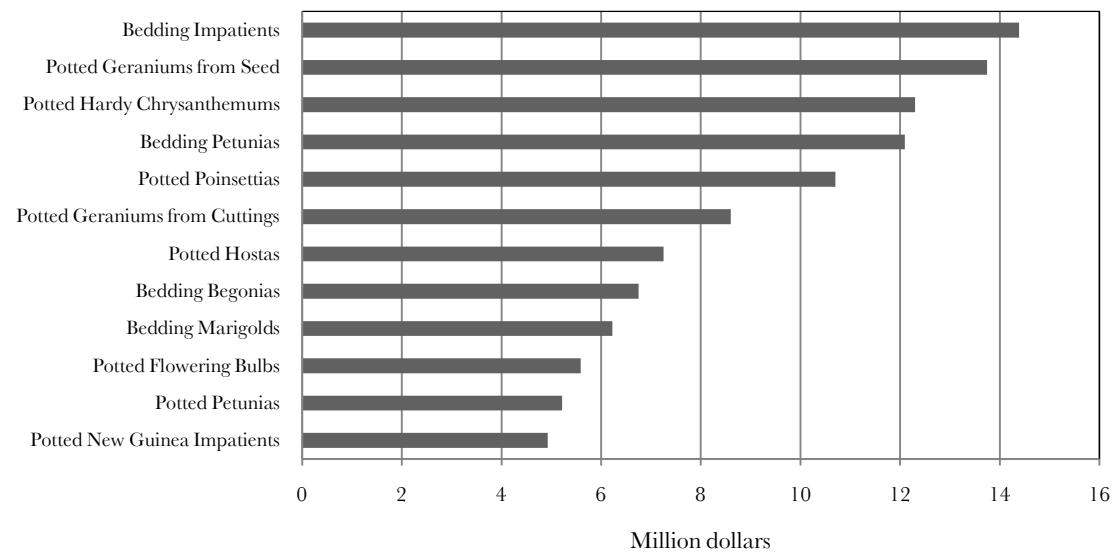
Floriculture crops: Wholesale value of sales by category, 2005-2009

Year	Total cut flowers	Total potted flowering plants	Total foliage for indoor or patio use	Total bedding/garden plants	Total wholesale value of reported crops	Expanded wholesale value of reported crops ¹
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2005	9,240	33,979	4,453	237,125	367,416	385,402
2006	6,608	33,329	4,504	239,301	364,132	380,500
2007	7,487	35,043	3,605	257,325	387,040	405,760
2008	(²)	32,872	3,085	256,165	375,744	393,500
2009	(²)	31,042	9,807	250,246	384,427	397,402

¹ Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the midpoint of each dollar range.

² Not published to avoid disclosure of individual operations.

Selected Floriculture Crops: Value of Sales, 2009



Bedding plants: Producers, quantity sold, price, and value, 2005-2009

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
					Number 1,000 flats Percent Dollars 1,000 dollars
Begonias					
2005	225	1,350	86	7.18	9,693
2006	218	922	86	7.51	6,924
2007	206	821	86	7.43	6,100
2008	205	827	86	7.44	6,153
2009	224	897	83	7.53	6,754
Geraniums from cuttings					
2005	(¹)	(¹)	(¹)	(¹)	(¹)
2006	13	185	72	7.91	1,463
2007	11	67	18	10.29	689
2008	12	60	11	12.96	778
2009	20	66	42	16.65	1,099
Geraniums from seed					
2005	35	60	83	11.32	679
2006	33	55	87	11.80	649
2007	25	48	82	12.87	618
2008	22	48	78	11.90	571
2009	33	56	68	11.33	634
Impatiens					
2005	221	2,063	85	7.41	15,287
2006	224	2,128	86	7.17	15,258
2007	220	2,088	88	7.29	15,222
2008	220	1,932	87	7.22	13,949
2009	226	1,947	85	7.39	14,388
Marigolds					
2005	227	772	84	7.34	5,666
2006	227	753	85	7.31	5,504
2007	216	723	86	7.54	5,451
2008	213	705	86	7.35	5,182
2009	225	821	87	7.58	6,223
New Guinea Impatiens					
2005	23	78	84	10.67	832
2006	22	71	85	10.23	726
2007	15	43	48	8.34	359
2008	18	34	68	8.36	284
2009	32	57	78	7.50	428
Pansies/Violas					
2005	206	804	88	7.03	5,652
2006	203	813	87	6.85	5,569
2007	194	711	90	7.15	5,084
2008	194	629	90	7.53	4,736
2009	205	594	89	7.16	4,253
Petunias					
2005	248	1,557	85	7.41	11,537
2006	239	1,592	86	7.48	11,908
2007	228	1,457	87	7.49	10,913
2008	228	1,476	87	7.46	11,011
2009	238	1,549	86	7.81	12,098
Other flowering and foliar					
2005	242	3,673	85	7.67	28,172
2006	232	3,956	88	7.64	30,224
2007	225	3,389	89	7.65	25,926
2008	209	2,927	86	7.28	21,309
2009	217	2,544	85	7.68	19,538
Vegetables ²					
2005	182	630	74	8.16	5,141
2006	188	644	73	7.98	5,139
2007	173	726	84	7.80	5,663
2008	168	696	82	8.14	5,665
2009	148	852	86	7.77	6,620

¹ Not published to avoid disclosure of individual operations.

² Does not include vegetable transplants grown for commercial use.

Hanging baskets: Producers, quantity sold, price, and value, 2005-2009

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
	Number	1,000 baskets	Percent	Dollars	1,000 dollars
Begonias					
2005	169	435	86	5.63	2,449
2006	166	473	89	5.62	2,658
2007	170	447	88	5.31	2,374
2008	161	365	88	6.00	2,190
2009	168	357	86	5.92	2,113
Geraniums from cuttings					
2005	213	717	81	6.69	4,797
2006	210	734	81	6.73	4,940
2007	208	776	78	6.57	5,098
2008	205	613	79	7.04	4,316
2009	203	593	80	7.44	4,412
Geraniums from seed					
2005	29	68	97	6.19	421
2006	23	71	98	5.98	425
2007	23	61	97	5.54	338
2008	24	40	89	5.97	239
2009	35	81	93	7.13	578
Impatiens					
2005	200	551	86	5.09	2,805
2006	186	655	89	5.28	3,458
2007	188	721	91	4.81	3,468
2008	187	568	90	5.28	2,999
2009	179	517	85	5.43	2,807
Marigolds					
2005	3	2	100	4.98	10
2006	6	12	100	3.31	40
2007	(¹)	(¹)	(¹)	(¹)	(¹)
2008	11	24	100	3.69	89
2009	9	24	98	3.90	94
New Guinea Impatiens					
2005	218	804	90	6.22	5,001
2006	215	713	90	6.52	4,649
2007	209	674	91	6.28	4,233
2008	205	469	87	7.00	3,283
2009	203	462	88	7.04	3,252
Pansies/Violas					
2005	35	85	95	4.80	408
2006	38	108	91	4.57	494
2007	43	145	96	5.14	745
2008	45	84	94	5.92	497
2009	43	371	98	4.86	1,803
Petunias					
2005	193	545	83	5.49	2,992
2006	190	784	90	5.90	4,626
2007	200	808	89	5.40	4,363
2008	206	850	88	5.83	4,956
2009	199	818	85	5.76	4,712
Other flowering					
2005	204	2,098	84	6.05	12,693
2006	197	2,201	88	6.31	13,888
2007	202	2,370	87	6.93	16,424
2008	192	2,068	87	6.99	14,455
2009	193	1,720	87	7.53	12,952
Foliage					
2005	62	273	91	4.81	1,313
2006	68	333	89	4.51	1,502
2007	63	214	86	5.52	1,181
2008	59	179	85	5.73	1,026
2009	47	759	98	5.66	4,296

¹ Not published to avoid disclosure of individual operations.

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2005-2009

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	Number	1,000 pots	1,000 pots	1,000 pots	Percent	Dollars	Dollars	1,000 dollars
Azaleas								
2005	20	(¹)	68	68	87	(¹)	7.60	517
2006	22	(¹)	77	77	89	(¹)	7.27	560
2007	17	(¹)	58	58	84	(¹)	7.24	420
2008	17	(¹)	47	47	80	(¹)	7.40	348
2009	14	(¹)	45	45	94	(¹)	6.37	287
Begonias								
2005	92	545	119	664	89	1.11	3.40	1,010
2006	94	526	72	598	85	1.10	3.34	819
2007	87	1,047	209	1,256	92	0.71	2.63	1,293
2008	99	619	153	772	91	1.28	3.02	1,254
2009	107	539	158	697	88	1.56	3.10	1,331
Chrysanthemums, florist								
2005	24	28	262	290	89	1.71	5.99	1,617
2006	27	38	173	211	85	1.54	3.55	673
2007	22	(¹)	173	173	82	(¹)	3.11	538
2008	20	20	91	111	86	1.72	4.19	416
2009	15	13	40	53	77	1.58	4.83	214
Chrysanthemums, hardy garden								
2005	144	558	5,114	5,672	95	1.00	2.09	11,246
2006	134	620	4,869	5,489	94	1.02	2.23	11,490
2007	131	772	4,154	4,926	94	1.19	2.99	13,339
2008	131	1,020	4,612	5,632	94	1.33	2.58	13,256
2009	134	403	4,508	4,911	93	1.21	2.62	12,299
Easter Lilies								
2005	39	(¹)	1,267	1,267	98	(¹)	3.62	4,580
2006	43	(¹)	1,168	1,168	97	(¹)	3.88	4,530
2007	33	(¹)	1,131	1,131	98	(¹)	3.88	4,393
2008	33	(¹)	1,116	1,116	98	(¹)	3.86	4,308
2009	33	(¹)	1,539	1,539	98	(¹)	3.77	5,808
Geraniums from cuttings								
2005	212	3,644	1,263	4,907	69	1.79	4.10	11,701
2006	219	3,191	1,218	4,409	65	1.84	4.33	11,145
2007	215	2,861	1,352	4,213	69	1.91	4.13	11,048
2008	205	2,654	1,348	4,002	66	1.87	4.09	10,476
2009	213	2,349	1,039	3,388	62	1.96	3.85	8,604
Geraniums from seed								
2005	100	15,792	79	15,871	98	0.78	4.89	12,704
2006	97	19,514	9	19,523	99	0.78	9.63	15,308
2007	94	18,328	11	18,339	99	0.79	4.46	14,528
2008	93	18,150	20	18,170	99	0.80	5.97	14,639
2009	93	16,651	64	16,715	98	0.81	4.07	13,748
Impatiens								
2005	69	554	111	665	95	0.84	3.10	809
2006	54	584	89	673	95	0.75	4.31	822
2007	60	698	237	935	91	0.72	1.81	932
2008	61	523	173	696	92	1.34	2.76	1,178
2009	73	527	220	747	91	1.12	1.94	1,017
Marigolds								
2005	24	113	82	195	97	0.76	1.63	220
2006	17	(¹)	223	223	98	(¹)	1.77	394
2007	22	207	230	437	97	0.43	2.40	641
2008	20	141	73	214	99	0.88	2.52	308
2009	27	182	98	280	98	0.61	1.72	280
New Guinea Impatiens								
2005	182	4,255	532	4,787	95	1.25	2.94	6,883
2006	178	4,104	267	4,371	94	1.23	4.55	6,263
2007	172	3,954	402	4,356	95	1.33	3.35	6,606
2008	170	3,870	422	4,292	94	1.39	3.34	6,789
2009	183	2,844	489	3,333	93	1.26	2.75	4,928

See footnote(s) at end of table.

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Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2005-2009 (continued)

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	Number	1,000 pots	1,000 pots	1,000 pots	Percent	Dollars	Dollars	1,000 dollars
Pansies/Violas								
2005	59	901	313	1,214	98	0.44	2.82	1,279
2006	49	1,712	(¹)	1,712	98	1.14	(¹)	1,952
2007	50	1,239	744	1,983	99	0.46	2.20	2,207
2008	48	1,099	389	1,488	99	0.82	2.74	1,967
2009	56	1,035	534	1,569	94	0.61	2.14	1,774
Petunias								
2005	91	1,142	1,325	2,467	93	0.89	2.70	4,594
2006	90	1,208	991	2,199	90	1.30	2.89	4,434
2007	96	1,441	1,075	2,516	92	0.95	2.87	4,454
2008	104	1,629	860	2,489	94	1.41	3.40	5,221
2009	117	2,275	803	3,078	89	1.29	2.84	5,215
Poinsettias								
2005	86	656	2,485	3,141	91	1.89	4.15	11,553
2006	79	530	2,284	2,814	91	1.99	4.54	11,424
2007	72	461	2,221	2,682	92	2.07	5.04	12,148
2008	67	396	1,983	2,379	93	2.13	4.58	9,926
2009	65	573	2,112	2,685	91	1.91	4.55	10,704
Roses, florist								
2005	13	(¹)	54	54	88	(¹)	3.86	209
2006	18	76	(¹)	76	93	3.85	(¹)	293
2007	14	(¹)	35	35	86	(¹)	6.05	212
2008	8	(¹)	30	30	96	(¹)	6.56	197
2009	9	(¹)	23	23	85	(¹)	6.77	156
Flowering bulbs								
2005	40	6,921	(¹)	6,921	100	1.25	(¹)	8,679
2006	42	7,472	(¹)	7,472	100	1.29	(¹)	9,669
2007	33	5,909	(¹)	5,909	100	2.08	(¹)	12,308
2008	33	7,733	(¹)	7,733	100	1.56	(¹)	12,063
2009	31	329	1,267	1,596	99	1.86	3.93	5,591
Other flowering plants								
2005	47	1,124	411	1,535	84	1.46	4.18	3,359
2006	50	1,098	498	1,596	71	1.22	4.86	3,760
2007	39	364	294	658	86	2.08	5.70	2,433
2008	43	536	613	1,149	89	1.47	3.72	3,068
2009	72	772	1,176	1,948	91	2.01	4.34	6,656
Other flowering and foliar type bedding plants								
2005	137	12,738	3,216	15,954	89	1.17	3.26	25,388
2006	150	14,966	3,365	18,331	89	1.15	3.54	29,123
2007	146	14,351	3,146	17,497	87	1.41	4.08	33,071
2008	136	12,942	3,795	16,737	89	1.53	3.51	33,122
2009	177	11,029	3,923	14,952	88	1.50	3.75	31,255
Vegetable type ²								
2005	96	5,448	267	5,715	98	0.59	2.66	3,925
2006	92	2,858	403	3,261	94	0.56	3.61	3,055
2007	94	6,575	874	7,449	95	0.69	2.35	6,591
2008	98	7,656	882	8,538	96	0.94	2.41	9,322
2009	99	3,339	1,696	5,035	88	0.87	2.56	7,247

¹ Pot sizes have been combined into category with greatest production to avoid disclosure of individual operations.

² Does not include vegetable transplants grown for commercial use.

Herbaceous perennials: Producers, quantity sold, price, and value, 2005-2009

Item	Producers	Quantity sold				Percent of sales at wholesale	Wholesale price			Value of All sales at wholesale
		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	Total		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Hosta										
2005	121	431	605	112	1,148	86	1.53	3.38	6.37	3,418
2006	113	928	567	59	1,554	90	1.77	3.38	7.52	4,003
2007	106	1,911	808	55	2,774	95	1.78	4.13	7.33	7,142
2008	106	2,103	911	48	3,062	95	1.73	4.04	7.48	7,678
2009	110	1,631	1,020	48	2,699	96	1.91	3.66	8.48	7,255
Other										
2005	147	13,964	5,916	306	20,186	92	1.09	3.54	9.11	38,951
2006	140	8,673	6,639	301	15,613	89	0.98	3.21	7.11	31,951
2007	127	8,184	8,007	279	16,470	90	1.48	3.54	6.72	42,332
2008	124	13,350	7,343	432	21,125	92	1.36	3.71	6.70	48,293
2009	144	9,049	8,158	646	17,853	93	1.68	3.81	6.58	50,535